

FIGURE 3

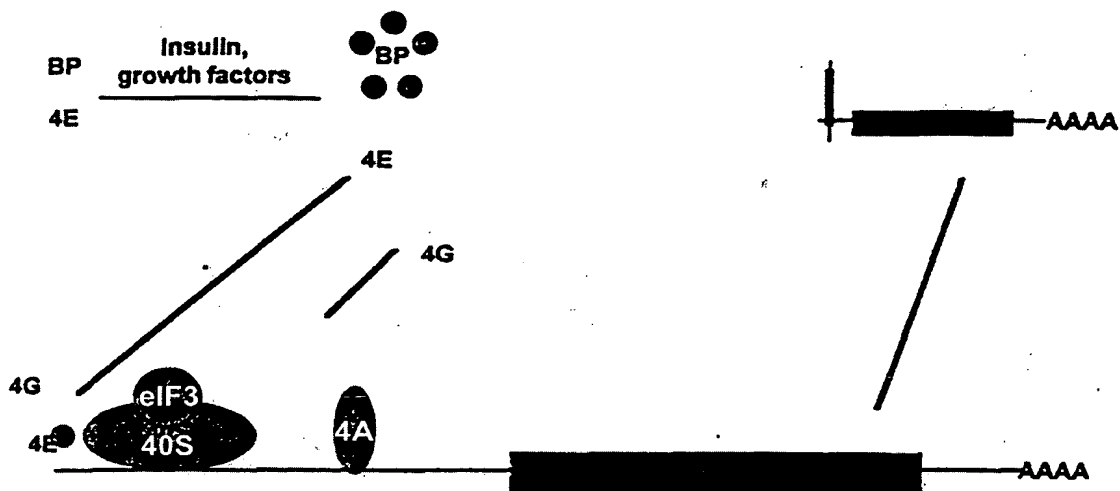
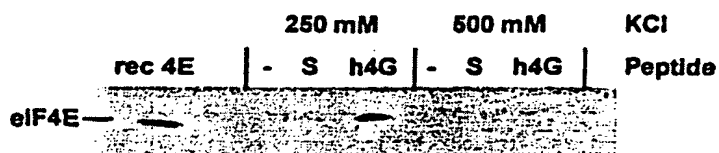


FIGURE 4



h4g human eIF4G Bβ KKRYDREFLLGFAARQIKIWFQNRRMKWKK SEQ ID NO: 7

S scrambled eIF4G Bβ FDLKFALGRYRAEKRQIKIWFQNRRMKWKK SEQ ID NO: 8

- no peptide

rec 4E recombinant human eIF4E

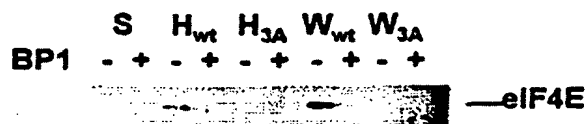
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FIGURE 5



H	human elF4G	B	$\beta$	$\beta$	K	K	R	<u>Y</u>	D	R	E	F	<u>L</u>	<u>L</u>	G	F	413-424	SEQ ID NO: 1
Y	yeast elF4G	B	$\beta$	$\beta$	K	Y	T	<u>Y</u>	G	P	T	F	<u>L</u>	<u>L</u>	Q	F	449-460	SEQ ID NO: 9
W	wheat elF4G	B	$\beta$	$\beta$	R	V	R	<u>Y</u>	S	R	D	Q	<u>L</u>	<u>L</u>	D	L	62-73	SEQ ID NO: 2
1	human 4E-BP1	B	$\beta$	$\beta$	R	I	I	<u>Y</u>	D	R	K	F	<u>L</u>	M	E	C	51-62	SEQ ID NO: 10
2	human 4E-BP2	B	$\beta$	$\beta$	R	I	I	<u>Y</u>	D	R	K	F	<u>L</u>	<u>L</u>	D	R	51-62	SEQ ID NO: 11
S	scrambled elF4G																	

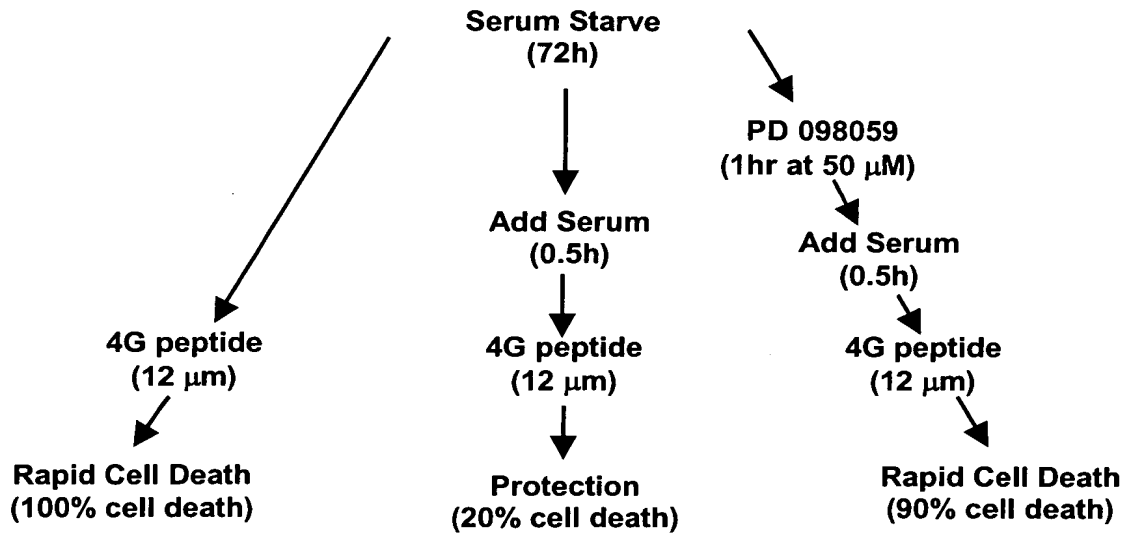
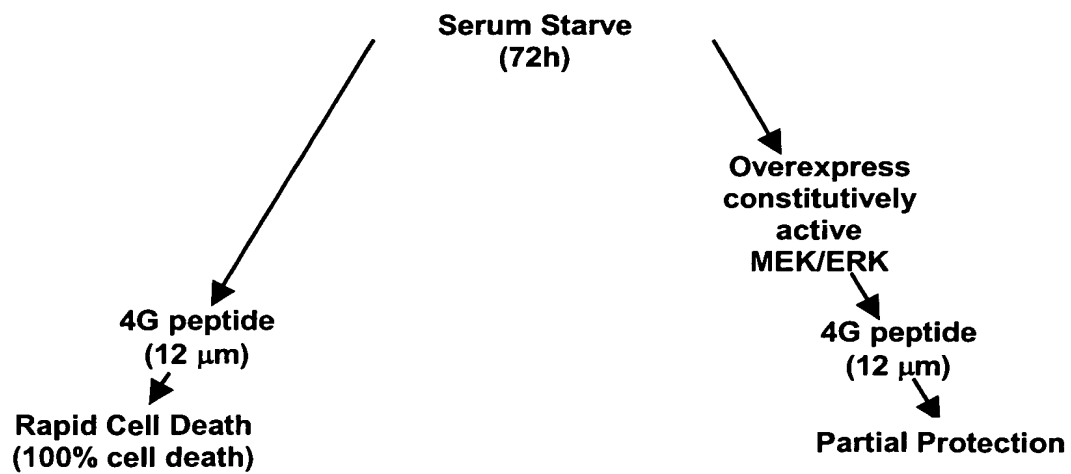
FIGURE 6



<u>4G Peptide</u>		<u>Sequence</u>															
H <sub>wt</sub>	hu 4G <sub>(413-424)</sub>	K	K	R	<u>Y</u>	D	R	E	F	<u>L</u>	<u>L</u>	G	F	A	A	SEQ ID NO: 12	
H <sub>3A</sub>	hu 4G <sub>(413-424)</sub> YALALA	K	K	R	A	D	R	E	F	A	A	G	F	A	A	SEQ ID NO: 13	
W <sub>wt</sub>	wh 4G <sub>(62-73)</sub>	R	V	R	<u>Y</u>	S	R	D	Q	<u>L</u>	<u>L</u>	D	L	A	A	SEQ ID NO: 14	
W <sub>3A</sub>	wh 4G <sub>(62-73)</sub> YALALA	R	V	R	A	S	R	D	Q	A	A	D	L	A	A	SEQ ID NO: 15	
S	scrambled hu 4G	F	D	L	K	F	A	L	G	R	Y	R	A	E	K	SEQ ID NO: 16	

all peptides biotinylated and linked to Penetratin™

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**FIGURE 9****FIGURE 10**

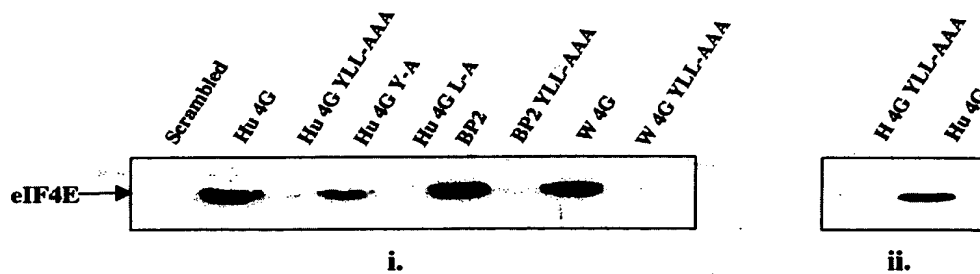
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FIGURE 12

(a)

Hu 4G	Human eIF4G Peptide (569-580)Wild Type	KKRYDREFLLGF SEQ ID NO: 1
Hu 4G YLL-AAA	Human eIF4G Peptide (569-580)Y572A L577A L578A	KKRADREFAAGF SEQ ID NO: 17
Hu 4G Y-A	Human eIF4G Peptide (569-580)Y572A	KKRADREFLLGF SEQ ID NO: 18
Hu 4G L-A	Human eIF4G Peptide (569-580)L577A	KKRYDREFALGF SEQ ID NO: 19
W4G	Wheat eIF4G Peptide (62-73)Wild Type	RVRYSRDQLLDL SEQ ID NO: 2
W4G YLL-AAA	Wheat eIF4G Peptide (62-73)Y65A, L70A, L71A	RVRASRDQAADL SEQ ID NO: 20
BP2	Human 4E-BP2 Peptide (51-62)Wild Type	RIIYDRKFLLDR SEQ ID NO: 11
BP2 YLL-AAA	Human 4E-BP2 Peptide (51-62)Y54A, L59A, L60A.	RIIADRKFAADR SEQ ID NO: 21
BP1	Human 4E-BP1 Peptide (51-62)Wild Type	RIIYDRKFIMEC SEQ ID NO: 10
BP1 YLM-AAA	Human 4E-BP1 Peptide (51-62)Y54A, L59A, M60A	RIIADRKFAAEC SEQ ID NO: 22

(b)



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